

Poster Session I (June 17 (Wed.) 12:00–13:30)

 *Underlined poster No.: *nominated for poster award*

Poster No.	Presenter last name	Presenter first name	Affiliation	Title
<u>P1-1</u>	Nakano	Hiroki	Nagaoka University of Technology	Formation Mechanism of Nano-Scale Self-Aligned Structure of Perfluorosulfonic Acid (PFSA) Analyzed by Surface Energy Balance Model
<u>P1-2</u>	SHAHIDUZZAMAN	Md	Kanazawa University	Ionic Liquid-Assisted Growth for Spherical Nanoparticles of Methylammonium Lead Iodide (MAPbI ₃) by Simple Spin Coating Method
<u>P1-3</u>	KUSUMI	Takuji	Kanazawa University	Factors affecting the photovoltaic behaviour of inverted polymer solar cells using various amine-modified indium tin oxide electrodes
<u>P1-4</u>	MATSUMOTO	Takuya	National Institute of Technology	Enhanced Power Efficiency of Inverted Organic Light Emitting Diode using Photoconductive Layer
<u>P1-5</u>	OHNISHI	Yasutaka	Tokai university	Optical characteristics of polytetrafluoroethylene thin film prepared by a vacuum evaporation
<u>P1-6</u>	KOBAYASHI	Yuki	Nagaoka University of Technology	Direct observation of liquid crystal interface imaged by atomic force microscope
<u>P1-7</u>	MATSUMOTO	HIROKI	Nagaoka University of Technology	Measurement of flexoelectric coefficients by means of transmission ellipsometry with twisted nematic liquid crystal cell
<u>P1-8</u>	HARA	KAZUMA	Niigata University	Inverted Plasmonic Organic Solar Cells Fabricated via Nanoimprinting
<u>P1-9</u>	Oishi	Seiko	Tokyo institute of Technology	Preparation of Gelatin Particles Encapsulating Lysine-Modified Iron Oxide Nanoparticles for Thermo-responsive Composite. □
<u>P1-10</u>	OSHIMA	Keisuke	Tokyo University of Science Yamaguchi	Dispersion of Carbon Nanotubes by Poly(Ni-ethenetetrathiolate) for Organic Thermoelectric Hybrid Materials
<u>P1-11</u>	SUZUKI	Makoto	Kagawa University	Nonlinear Optical Properties of Cavity Polariton in One Dimensional Photonic Crystal Containing Organic Dye Molecule
<u>P1-12</u>	OHTAKE	Asami	Saga univesity	Synthesis and Functionality Evaluation of Graphene Derivative with Fluoroalkyl Groups
<u>P1-13</u>	UCHINO	Seiko	Saga University	The Study on Chemical Structure of Hydrophilic Graphene Derivatives Synthesized by Solution Plasma Process
<u>P1-14</u>	SARWAR	Saad	Kumoh National Institute of Technology	Enhanced Photoelectrochemical Water Splitting Efficiency through Metal Electrodeposition on n-GaN
<u>P1-15</u>	IKEYAMA	Suguru	Nagaoka University of technology	Chromium oxynitride thin film epitaxially grown on α-Al ₂ O ₃ (001) by pulsed laser deposition
<u>P1-16</u>	Yoshimoto	Yuuki	Japan Advanced Institute of Science and Technology	Development of a patterning method of oxide materials by UV irradiation and selective removal using solvent
<u>P1-17</u>	KUMAR	Arvind	Indian Institute of Science, Bangalore	Critical investigation of high performance spin-coated high-k titania thin films based MOS capacitor
<u>P1-18</u>	JYAYUPAT	Chaiyanut	College of Nanotechnology	Fundamental Study on Synthesis of ZnO Nanowires via Hydrothermal Process using Spin-Coated Seed Layer
<u>P1-19</u>	HATA	Keisuke	University	Photoluminescence properties affected by Γ-X subband resonance in biased GaAs/AlAs asymmetric multiple-quantum well superlattices
<u>P1-20</u>	Arakawa	Ryo	Nagaoka University of Technology	Change in Magnetization of NiFe ₂ O ₄ Porous Thin Film by Formic Acid Adsorption
<u>P1-21</u>	ULLAH	SANA	University of Rome Tor Vergata	Rapid Thermal Annealing for Highly Conducting and Transparent Aluminum Zinc Oxide Thin Films Grown with Different Dopants
<u>P1-22</u>	Kasamatsu	Kenta	Japan Advanced Institute of Science and Technology	Evaluation of Air Stability of Solution-Processed Oxide Semiconductor Thin Films by Surface Plasmon Resonance Method
<u>P1-23</u>	Iwasaka	Akira	Japan Advanced Institute of Science and Technology	Solution-processed amorphous silicon carbide films made from solutions with various carbon contents
<u>P1-24</u>	FUJITA	Riki	National Institute of Technology, Kushiro College	Preparation of NiO Thin Film deposited by Sol-Gel method
<u>P1-25</u>	LIU	JIA	Tokyo Institute of Technology	Composite of Magnetic Drug Carriers with Thermo-responsive Polymer for Controlled Drug Release
<u>P1-26</u>	Kanayama	Masato	The University of Shiga Prefecture	Fabrication and characterization of perovskite-type solar cells with electron transport layers consisting of TiO ₂ nanoparticles
<u>P1-27</u>	SATO	Naoya	University of Fukui	Diffusion of Hydroxyl Groups in Silica Glass through the Binding Interface
<u>P1-28</u>	NIWA	Syohei	University of Fukui	Effects of Isochronal Annealing on ArF-Excimer-Laser-Induced Absorption in Silica Glasses Produced by Melting Silica Powder
<u>P1-29</u>	SHINODA	Satoshi	Nagaoka University of technology	Synthesis and superconducting properties of solid-solution Sr ₂ (Sr _x Ca _{1-x})Cu ₂ O _y (x=0-1)
<u>P1-30</u>	NAGUMO	Tomohiro	Nagaoka University of technology	Superconducting properties of Sr ₂ CaCu ₂ O _y with controlled oxygen contents
<u>P1-31</u>	WANG	Wenzhen	Japan Advanced Institute of Science and Technology	Graphene nanoelectromechanical switches with local actuation electrodes
<u>P1-32</u>	TSENG	Kuan-Chi	National Central University, Taiwan	Gigantic enhancement in broadband photo detection of electrospun CoTiO ₃ nanosensors
<u>P1-33</u>	BARMAN	Barun	Indian Institute of Science	Blue Luminescent N-doped Carbon Quantum Dots in Solid State
<u>P1-34</u>	TAKAMICHI	Ishiyama	Nagaoka University of Technology	Improvement of conversion efficiency of three-dimensional Cu ₂ ZnSnS ₄ solar cell due to elapsed time
<u>P1-35</u>	TAKAYOSHI	Okamoto	Nagaoka University of Technology	Effects on Cu ₂ ZnSnS ₄ Optical Absorbing Layer of Partial Electrolyte
<u>P1-36</u>	KOUDAI	Kiriishi	Nihon University	Fabrication and Characterization of Organic Solar Cells with Self-Assembled Oleamide Buffer Layers
<u>P1-37</u>	HASHIBA	Kousei	Nihon University	An inverted organic BHJ solar cell with PFN-P1

P1-38	Song	Myoung Geun	Gachon University	Synthesis and characterization of UV treated bismuth titanate doped TiO ₂ layer
P1-39	AIHARA	Naoya	Nagaoka University of Technology	Photoluminescence characterization of monoclinic Cu ₂ SnS ₃ thin film
P1-40	HAQUE CHOUDHURY	MOHAMMAD	NAGOYA INSTITUTE OF TECHNOLOGY	Preparation of Titanium Oxide Electrode by Multi-layer Four Side Electrophoretic Deposition for Efficient Dye-sensitized Solar Cell
P1-41	Masafumi	Ogawa	Tokai University	Effect of nanostructured titanium dioxide layers on a conversion efficiency of a dye-sensitized solar cell using an electrostatic ink-jet method
P1-42	EBE	Hinako	National Institute of Technology, Nagaoka	Fabrication of Lead Halide Perovskite Solar Cells by Annealing Spin-coated PbI ₂ Thin films in CH ₃ NH ₃ I vapor
P1-43	EZE	VINCENT	AICHI INSTITUTE OF TECHNOLOGY	Air Assisted-Flowing and Two Step Spin-Coating for High Efficient CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells
P1-44	ARPAVATE	Witchaya	King Mongkut's University of Technology Thonburi	Synthesis and Modification of Nanowire Arrays for Applications in Hybrid Photovoltaic Cells
P1-45	KUROSHIMA	H	Grad.school of Natural Sci.& Tech. Kanazawa Univ.	Formation of atomically flat diamond (111) surface by hydrogen plasma treatment
P1-46	Ito	S	Grad. School of Natural Sci. & Technol., Kanazawa Univ.	Growth of Diamond Films on Nickel Substrates by Microwave Plasma-Enhanced CVD
P1-47	BABA	I	Grad. School of Natural Sci. & Technol., Kanazawa Univ.	Surface roughening of homoepitaxial diamond (111) films by oxygen addition
P1-48	NAKANISHI	K	Grad. School of Natural Sci. & Tech. Kanazawa Univ.	Diamond Etching by Solid Solution Reaction of Carbon to Nickel
P1-49	Shingo	Kanouchi	nagaoka university of technology	Effect of N ₂ O-doped seed layer on the properties of ZnO films grown on glass substrates using high-energy H ₂ O generated by a catalytic reaction
P1-50	LIU	Liqiang	Toyama Prefectural University	Preparation of lead-free Piezoelectric thin films from precursor solutions by Pechini methods
P1-51	DO	Khoai	Japan Advance Institute of Science and Technology (JAIST)	Sensitive Detection of Metals with Disposable PDMS Chips by Alternating Current Liquid Electrode Plasma (AC LEP)
P1-52	MATYAS	Jiri	Tomas Bata University in Zlin	Antenna of silver nanoparticles mounted on a flexible polymer substrate constructed using inkjet print technology
P1-53	Morioka	Makoto	nagaoka university of technology	Formation of high density Ge-nanodots on SOI substrate
P1-54	TOBA	Ryota	Nagaoka University of Technology	Color centers in NaCl single crystals induced by pulsed intense relativistic electron beams
P1-55	BOYADJIEV	Stefan	Budapest University of Technology and Economics	Preparation and study of the gas sensing and photocatalytic properties of WO ₃ /TiO ₂ nanocomposites prepared by annealing and atomic layer deposition (ALD)
P1-56	ZHAO	Ming	Tsinghua University	Investigation on the effects of O ₂ flow rate on electronic properties of amorphous IGZO thin films
P1-57	binti Shaari	Safizan	University of Toyama	The effects of Interfacial Layers on Organic Pentacene-based Thin-Film Transistors
P1-58	LEASEN	SUTHISA	Rajamangala University of Technology Suvarnabhumi	Rice Aromatic Gene Detection on Gold nanoparticles modified
P1-59	STAROVOYTOV	Anton	ITMO University	Effect of Substituent in Conjugated Chain on Composition of Cyanine Thin Film
P1-60	LIM	Jung-Hyurk	Korea National University of Transportation	Dip-Pen Nanolithography of Fluorosilane Compounds on Semiconducting Surfaces
P1-61	JANMANEE	Rapiphun	Pibulsongkram Rajabhat University	Fabrication of Polypyrrole/Poly(pyrrole-3-carboxylic acid)/Graphene Oxide Composite Thin Film for the Determination of Ascorbic Acid
P1-62	YOKOMICHI	Haruo	Toyama Prefectural University	Synthesis of Nanocarbons using Ultrasonic Technique of Organic Solution at Room Temperature
P1-63	Kimura	Suguru	Schrodinger KK	Electron coupling and disorder in organic semiconductors
P1-64	Zalipaev	Victor	Krylov State Research centre	WKB asymptotic analysis of Dirac electron tunneling through a smooth potential barrier and localized states in graphene monolayer with mass gap
P1-65	KURIHARA	Kazuyoshi	University of Fukui	Enhancement of atomic emission intensities in CO ₂ laser-induced breakdown spectroscopy (CO ₂ -LIBS) due to the laser absorption of starch forming inclusion complex
P1-66	KURAMI	Kazuhiko	Shinshu University	Improvement of the electrical properties in the solution processed multilayered polymer light-emitting diodes by insertion of the polymeric electron injection layers
P1-67	KIM	Taeyoo	Sungkyunkwan university	Electroless Ni-P diffusion barrier deposited on through-Si vias
P1-68	Yasui	Kanji	Nagaoka University of Technology	Nonpolar gallium nitride film growth on r-plane sapphire substrates by low-pressure metal-organic chemical vapor deposition
P1-69	Moliere	Timothee	Institut d'Electronique Fondamentale (IEF)	Defect free integration of GaAs on silicon
P1-70	FUJISAWA	Hironori	University of Hyogo	Fabrication of ZnO/(Hf,Zr)O ₂ /ZnO nanowires by MOCVD
P1-71	Takeyama	Mayumi	Kitami-Institute of Technology	Thermally and structurally stable thin VN barrier for Cu interconnects
P1-72	Noya	Atsushi	Kitami Institute of Technology	Oxidation characteristics of Al-Nb alloy film as capping layer on Cu
P1-73	USUI	Hiroaki	Tokyo University of Agriculture and Technology	Electroless Plating of Ni Thin Films using Foam of Electrolyte
P1-74	MORI	Masayuki	University of Toyama	Heteroepitaxial growth of InSb films on Si(100) substrate with micro facet structures
P1-75	Sugavaneshwar	Ramu Pasupathi	National Institute for Materials Science (NIMS)	Plasmon mediated photoelectrochemical activity of sol-gel prepared Rh:SrTiO ₃ films
P1-76	FUJII	Tadashi	Toyama Prefectural University	Micropatterning of Metal/Ferroelectric Films by Electron-Beam-Induced Reaction Process

P1-77	SHIMOTSUMA	Hikaru	National Institute of Technology, Tsuruoka College, Japan	Preparation of Cu ₂ ZnSnS ₄ thin films for solar cell absorber by photochemical deposition.
P1-78	CHO	Younglae	SUNGKYUNKWAN UNIVERSITY	Study of effect of complex electroplating by the addition of Multi-layer Graphene on copper nanoparticle
P1-79	TERAUCHI	Tatsuya	Nagaoka University of Technology	Characterization of (Zn,Ga,Sn)As ₂ thin films grown by MBE on GaAs(001)
P1-80	SHIMONO	Kazuki	Japan Advanced Institute of Science and Technology	Development of High-Dielectric Constant Insulating Film by Solution Process
P1-81	IKEDA	Kousuke	Niigata University	Static and Dynamic Properties of Nuclear Spins in GaAs
P1-82	KUROBORI	Toshio	Kanazawa University	A silver-activated phosphate glass detector for three-dimensional dose distribution measurement
P1-83	KUMAGAI	Shinya	Toyota Technological Institute	Measurement of Metabolic Heat of Yeast Cells using Thin-Film Thermocouple
P1-84	Leu	Ching-Chich	National University of Kaohsiung	Application of polypeptide assisted synthesis of gold nanoparticle
P1-85	MATSUDA	Naoki	AIST	Preparation of Au nano-particles dispersed water solution from
P1-86	Kato	Ariyuki	Nagaoka University of Technology	H ₂ Concentration Effect of Reduction Treatment of Eu Doped K ₂ SrPO ₄ Phosphor by Inductively Coupled Plasma and Its Plasma Spectroscopy
P1-87	MAKAROVA	Marina	Institute of Physics	Magnetism in Non-Magnetically Doped SrTiO ₃ Nanoparticles
P1-88	PYUNGHO	CHOI	Sungkyunkwan University	Negative-Bias Temperature Instability Related with Gate Tunneling Mechanism

Poster Session II (June 17 (Wed.) 17:30-19:00)

*Underlined poster No.: *nominated for poster award*

Poster No.	Presenter last name	Presenter first name	Affiliation	Title
<u>P2-1</u>	Segi	Kazuhiko	University of Toyama	Tandem organic Photodiodes Stacked Blue and Green Units
<u>P2-2</u>	PAKPOOM	CHANSRI	Kyungshung University	Synthesis and characterization of TiO ₂ /ZnO nanorods layer for High Efficiency Electrochemiluminescence Cell Application
<u>P2-3</u>	CHOI	HYE-SU	Kyungshung University	Influence of Electrical and Optical Properties of Thickness Condition ZnO nanorod Array Layer for Efficiency Electrochemi-luminescence Cell Device
<u>P2-4</u>	KAWAI	Kotaro	Nagaoka University of Technology	Vector Grating Liquid Crystal Cells with TN and Homogeneous Alignment Fabricated by One-Step Exposure of Photocrosslinkable Polymer Liquid Crystal Films to Non-Orthogonal Elliptical Interference Beam
<u>P2-5</u>	WEN	Hua-Wen	Yuan Ze University	Synthesis and Charge-Transport Properties of Truxene-based D-A Conjugated Polymers
<u>P2-6</u>	MURAOKA	Kyousuke	Kansai University	Electrochemical properties of clear internal structure CNF for use as Li-ion battery anodes
<u>P2-7</u>	KISHIDA	Kazuhiisa	Kansai University	Effect of the Functional Group Property for Lithium Ion Battery in Ionic Liquid
<u>P2-8</u>	TAMURA	Hidetsugu	Niigata University	Improvement of On/Off Ratio in Organic Field-effect Transistor Having Carrier Generation Layer by Using Oblique Deposition
<u>P2-9</u>	TANIZAWA	Motoharu	Kanazawa Univ.	Organic Dye Vertical Cavity Surface Emitting Laser Pumped by Blue Laser Diode
<u>P2-10</u>	MUANGRAT	Worawut	King Mongkut's Institute of Technology Ladkrabang	Poly(methyl methacrylate) and Thiophene-Coated Single-Walled Carbon Nanotubes for Volatile Organic Compounds Discrimination
<u>P2-11</u>	KADOWAKI	Keisuke	National Institute of Technology, Tsuruoka College, Japan	Production and evaluation of In-Ga-Zn-O thin films by RF sputter
<u>P2-12</u>	NAGASAWA	Shinobu	Nagaoka University of Technology	Electric resistivity in Cr(N ₂ O)
<u>P2-13</u>	Kim	Do Hyun	Gachon University	Effect of stoichiometric ratio of La/Al on the 2DEG at the oxide interface
<u>P2-14</u>	Han	Jun	Gachon University	Structural and Optical Properties of Fe Doped Bi _{3.25} La _{0.75} Ti ₂ O ₁₂ Thin Film Deposited by RF Sputtering
<u>P2-15</u>	SETO	Shota	University of Hyogo	Preparation of BiFeO ₃ thin films on SrTiO ₃ Bicrystal Substrates
<u>P2-16</u>	KIM	JOONAM	Japan Advanced Institute of Science and Technology	Characterization of solution processed thin film MoS ₂ on oxide dielectric
<u>P2-17</u>	ISLAM	Earul	Japan Advanced Institute of Science and Technology (JAIST), Japan	Contact properties of MnAs/InAs grown on GaAs(111)B by molecular beam epitaxy
<u>P2-18</u>	Inaba	Takaaki	Nihon University	Electric and Magnetic Properties of BiFe _{1-x} MnxO ₃ Thin Films and CaFeOx/BiFe _{1-x} MnxO ₃ Superlattices
<u>P2-19</u>	Utsugi	Takahiro	Tokyo Institute of Technology	Fabrication of Porous Hollow TiO ₂ /CuPt Composite Nanoparticles for Novel Photocatalysts Reducing NO _x Gas
<u>P2-20</u>	DAISHI	Nakase	Kanazawa University	Design and Characterization of Curved Directional Coupler based on Si/SiO ₂ Waveguide for Wavelength Independency
<u>P2-21</u>	Kurihara	Fumiaki	University of Toyama	Self-Alignment Vertical-Type Thin-Film Transistors (TFTs) with Transparent Oxide IGZO as Semiconductor

P2-22	Hara	Hiroki	Meiji University	Photoluminescence and Electroluminescence from SiO ₂ Thin Films co-doped with Er and nc-Si
P2-23	MUTO	Masaru	National University Corporation	Novel blue-light excitable Ce ³⁺ -activated LiSr ₂ YO ₄ phosphor
P2-24	NAKAGAWA	H	Niigata University	Color tuning based on efficient energy transfer in novel SrLu ₂ O ₄ :Ce ³⁺ , Tb ³⁺ white LED phosphor
P2-25	HASEGAWA	S	Niigata University	Single crystal growth of CaAl ₂ Si ₄ N ₈ :Eu ²⁺ nitride phosphor by novel vapor phase technique
P2-26	KARAYA	Ryota	Kanazawa University	Fabrication of diamond surface-channel FET structure using ferroelectric VDF/TrFE gate
P2-27	KODAI	Saito	National Institute of Technology	Effect of Electrical Discharge on Copper Nanoparticle Prepared by Underwater Pulsed Wire Discharge
P2-28	Dulyaseree	Paweena	King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand	Study on Effect of Microwave and Oxygen Plasma Treatments on Capacitive Characteristics of Supercapacitor based on Multi-Walled Carbon Nanotube
P2-29	Hasegawa	T	Niigata University	Synthesis of Nanophosphor Based on Molybdate by Novel Low-temperature Synthesis Technique
P2-30	RITO	Thaddea Sheena	Sustainable Electronic Materials Group	Characterization of Nickel Nanowires Synthesized under an Applied Magnetic Field
P2-31	HAMMAM	Ahmed	Japan Advanced Institute of Science and Technology	Electrostatically defined Graphene P-I-N Junction using Nitrogen Focused Ion Beam Milling
P2-32	TRISNANTO	S	Tokyo Institute of Technology	Optimizing Coil System for Magnetic Susceptometer with Widely-Adjustable Field-Strength and Frequency
P2-33	TSENG	Yao-Tien	National Central University, Taiwan	Fabrication of P-type ZnO Nanorods on Transparent Conductive Substrate by Electrochemical deposition
P2-34	Nagahara	Koji	Japan Advanced Institute of Science and Technology	Fine Pattern of Highly Conductive Amorphous LaRuO by nano-Rheology Printin Method
P2-35	Tanaka	Kenta	Nagaoka University of Technology	Preparation of Magnesium Submicron Particles by Pulsed Wire Discharge
P2-36	OKA	Chiemi	Tokyo Institute of Technology	Biodegradable and Magnetic Core-Shell Composite Particle Prepared by Emulsion Solvent Diffusion Method
P2-37	HOSHI	Kazuki	Nihon university	Fabrication and Characterization of Glucose Fuel Cells with a Graphene-coated Carbon Fiber cloth
P2-38	PUTNIN	Thitirat	Chiang Mai University	Label-Free Electrochemical Immunosensor Based on a Screen-Printed Carbon Electrode Modified with Poly(2-aminobenzylamine) Film for Detection of Human IgG
P2-39	POTHIPOR	Chamari	Chiang Mai University	Label-Free Electrochemical Human IgG Immunosensor Based on a Screen-Printed Carbon Electrode Modified with Poly(3-aminobenzoic acid)-MWCNT Nanocomposite Film
P2-40	Ota	Satoshi	Yokohma National University	Heat dissipation of magnetic nanoparticle in cellular environment evaluated by ac hysteresis measurement
P2-41	CHIANG	WEI-HSIAG	Minghsin University of Science and Technology	Preparation and Photovoltaic Characterization of Inorganic-Organic Composite WO ₃ -ZnO-Based Dye-Sensitized Solar Cells
P2-42	Wang	Po Chiang	National Defense University	The preparation of high adhesive metal electronic with siloxane polymer ink on glass substrate
P2-43	PAUCAR RAMOS	RAUL	CHIBA INSTITUTE OF TECHNOLOGY	Low temperature photoluminescence spectra of TlInS ₂ single crystal
P2-44	ZHANG	Xiaorong	Huazhong University of Science and Technology	Well-dispersed Nd:Y ₂ O ₃ nano-powders fabricated by modified solution combustion method
P2-45	Yamazaki	Ken	Japan advanced institute of science and technology	AmorphousSilicon nano pillars prepared using silicon precursor solution by nanoimprinttechnology
P2-46	Shunta	Kotakehara	University of Fukui	Optical Properties and Exciton Localization in CH ₃ NH ₃ PbI ₃ Thin Films
P2-47	Teraguchi	Yusuke	Nagaoka University of Technology	Energy state of the high-temperature H ₂ O beam generated by a catalytic reaction
P2-48	SATO	Tomoya	National Institute of Technology, Tsuruoka	Electric Measurement of Proton Conductive Perovskite Thin Films Deposited by RF Magnetron Sputtering
P2-49	YAMAGUCHI	Yosuke	University of Fukui	Improvement of signal-noise ratio in pump-probe spectroscopy by the combination of broadband AD converter and delay generator
P2-50	TAINAKA	Ryo	Nagaoka University of Technology	Preparation of Nd ₂ BiFe ₄ GaO ₁₂ thin films on Au thin films
P2-51	Ishizuka	Yuki	Nagaoka University of Technology	Influence of NO gas addition on the properties of ZnO films grown on a-plane sapphire substrates using high-temperature H ₂ O generated by a catalytic reaction
P2-52	Shotaro	Tahara	National Institute of Technology, Fukui College	Characterization of ion-implanted into silica powders, silica fiber and metal wire analyzed by the Monte Carlo simulation of extended TRIM
P2-53	Moriuchi	Misaki	Nagaoka University of Technology	Detection of X-ray from a pulsed intense relativistic electron beam accelerator
P2-54	Takahashi	Noriko	National Institute of Technology	Investigation of Degradation Mechanism in Interface-Mixing Type OLEDs by Displacement Current Measurement
P2-55	Banzai	Kazuki	University of Toyama	Transparent Electrode Using Magnetic Thin Films for Organic Light Emitting Diodes
P2-56	Hiroyuki	Okada	University of Toyama	Organic Thin-Film Transistors with Bi-layer of Rubbed and Evaporated Hydrocarbon-based Acene as Active Layer
P2-57	NODA	Kohei	Nagaoka University of Technology	Two-dimensional multilevel anisotropic diffractive optical elements fabricated using photocrosslinkable polymer liquid crystals
P2-58	Tachikawa	Hiroto	Hokkaido University	Density Functional Theory (DFT) Study on Interaction of hydrogen Atomwith Graphene and C ₆₀ Surfaces
P2-59	HASHIM	ABDUL MANAF	UNIVERSITI TEKNOLOGI MALAYSIA	Formation of Nanostructured Platinum and Palladium on Graphene and Its Sensing Performance for Hydrogen Detection
P2-60	Itoh	Eiji	Shinshu University	Fast, high sensitive all-printed capacitive humidity sensors with carbon nanotubes/polyimide hybrid electrodes

P2-61	Fukuzumi	Takahiro	Hokkaido University	Interaction of Organic Radical with Nano-graphene: Density Functional Theory (DFT) Study
P2-62	Kuwabara	Takayuki	Kanazawa university	Light Soaking Effect of Inverted Polymer Solar Cells Containing Chemical Bath Deposited Titanium Oxide
P2-63	KAWABATA	Hiroshi	Hokkaido University	The Mechanism of H ₂ Desorption on Small Graphene Chips: DFT Study
P2-64	Kim	Jongmin	Sungkyunkwan University	Solution-Processed IGZO/ITZO Dual-Active-Layer Thin Film Transistor for High mobility and Improvement of Bias Stability
P2-65	CHO	Jaehee	Sungkyunkwan University	Charge Trapping of Solution Processed ZnO Dielectric with Bias-Temperature Stress
P2-66	Morita	Yusuke	University	Characterization of Al-doping density dependence on Transmittance and Resistance of AZO Films Fabricated Using Spin-coating Method
P2-67	Kakinoki	Yuto	University	Fabrication of Molybdenum trioxide thin films by spin-coating method and evaluation of annealing temperature dependence
P2-68	HANG	Da-Ren	National Sun Yat-sen University	Enhanced Near-band-edge Emission of Solution-processed ZnO Nanorod Thin Films via Post-growth Annealing Treatments
P2-69	NEPIJKO	Sergej	Johannes Gutenberg University, Mainz	Investigation of Fe/W(110) System by Using Scanning Tunneling Microscopy and Lorentz Microscopy
P2-70	NAKANO	Yoshitaka	Chubu University	Ar-Irradiation Induced Damage in Metal-Organic Vapor Phase Epitaxy GaN
P2-71	WANG	Chumin	Universidad Nacional Autonoma de Mexico	Ab-initio based Multiscale Design of Omnidirectional Reflectors tested in Free-Standing Porous Silicon Multilayer Films
P2-72	SANCHEZ	Vicenta	Universidad Nacional Autonoma de Mexico	Non-Perturbative Analysis of Impurity Effects on the Kubo Conductivity in Two-Dimensional Systems
P2-73	OOMAE	Hiroto	National Institute of Technology, Kushiro College	Synthesis of Sn Doped Zn ₂ Si _{0.9} Ti _{0.1} O ₄ Phosphor Prepared by Sol-gel Method
P2-74	YE	Rongin	Iwate University	Fabrication and Characterization of Flexible Thin-Film Rechargeable Li-Ion Batteries with Sputtered Amorphous Thin-Film Electrodes
P2-75	Hori	Masahiro	University of Toyama	ESR measurements of As donor electrons in silicon
P2-76	Kobori	Hiroki	Konan University	Large Spin-Dependent Magnetoresistance in Fe ₃ O ₄ /Si Thin Films Produced by Rapid Thermal Deoxidation Method
P2-77	Tseng	Fan-Ping	National Taiwan University of Science and Technology	Device Reliability of a-IGZO TFT with Teflon/SiO ₂ Bilayer Passivation under Gate Bias Stress
P2-78	Oku	Takeo	The University of Shiga Prefecture	Effects of Hole-Transport Layers on Perovskite Solar Cells
P2-79	Wakui	Yusuke	National Institute of Technology, Nagano College	Preparation of Cu ₂ (Sn,Si) ₃ S ₃ Alloy Films for Thin-Film Solar Cells by Sulfurization of Simultaneous Sputtered Cu-Sn-Si precursors
P2-80	An	Libao	Hebei United University	Dielectrophoretic Assembly of Multiwalled Carbon Nanotubes onto the Electrode Pattern for Multiplexer Interconnects
P2-81	Htay	Myo Than	Shinshu University	Temperature Dependent Raman Spectroscopy Analysis of Cu ₂ SnS ₃ and Cu ₂ GeS ₃ Thin-Film Solar Absorbers

Poster Session III (June 18 (Thu.) 12:00-13:30)

Poster No.	Presenter last name	Presenter first name	Affiliation	Title
P3-1	Wakahara	Takatsugu	NIMS	Fullerene/Porphyrin Hybrid Materials
P3-2	TSURUMACHI	Noriaki	Kagawa University	Fluorescence wavelength dependence of Purcell effect in dye molecules on metal-dielectric multilayer metamaterial
P3-3	POPA	Marcel	Gheorghe Asachi Technical University of Iasi, Romania	Photoluminescent polymer embedded Eu ³⁺ , Tb ³⁺ and Y ³⁺ complexes with R, G, B emission
P3-4	KIM	Kyung-Min	Korea National University of Transportation	Hybrid Nanocomposites of Bridged Polysilsesquioxane Nanoparticles and Polystyrene by In-situ Radical Polymerization
P3-5	Ohtani	Naoki	Doshisha University	Fabrication of Organic-inorganic Hybrid Films Using UV-curable Conductive Material and Application to Light-emitting Diodes
P3-6	Ito	TAKATO	Doshisha University	Evaluation of Antioxidant Effect of Carotenoids on Photoluminescence Lifetime of Chlorophyll a Extracted from Spinach Using Column Chromatography Method
P3-7	SAKAGUCHI	Koichi	Saga University	Synthesis of Hydrophilic Graphene by Plasma Irradiation under Atmospheric Pressure
P3-8	Sakuma	Yuta	Saga University	Scintillation Property of Fluorene-Based Dyes for Liquid Scintillator
P3-9	CHUNG	Nak-Kwan	Korea Research Institute of Standards and Science	Improved Outcoupling Efficiency of OLED using Nanoparticle Lens Array
P3-10	Okada	Hiroyuki	University of Toyama	Organic light-emitting diodes using very low weight organic molecule as a cathode interfacial layer
P3-11	Baba	Ryosuke	Toyama Prefectural University	Effects of powder size on sinterability of KNbO ₃ system ceramics
P3-12	LIAU	Leo Chau-Kuang	Yuan Ze University	Role of Hydrated Polyvinyl Alcohol (PVA)/ZnO as the Conducting Channels in Assembled Thin Film Transistors
P3-13	YANAGIDA	Takayuki	Nara institute of Science and Technology	Scintillation properties of undoped CdS for ionizing radiation detectors
P3-14	LEU	Ching-Chieh	National University of Kaohsiung	Application of self-assembly 3-aminopropyl-trimethoxysilane thin film induced gold nanoparticles
P3-15	Matsubayashi	Kaede	National Institute of Technology, Nagano College	Cu ₂ ZnSnS ₄ Thin-Film Solar Cells Utilizing MoSi ₂ /Mo Back Electrode

P3-16	PHAN	Trong Tue	Japan Advanced Institute of Science and Technology	Combustion Synthesized Indium-Tin-Oxide (ITO) Thin Film for Source/Drain Electrodes in Solution-Processed Oxide Thin Film Transistors
P3-17	KATO	Ariyuki	Nagaoka University of Technology	Preparation of Multilayer Inorganic EL Device by Electrophoretic Deposition Method Using Perovskite-type Oxide Phosphor
P3-18	KOSHIMIZU	Masanori	Tohoku University	Luminescence and scintillation properties of La or Ag-doped CsPbCl ₃ single crystals
P3-19	KHMYROVA	Irina	University of Aizu	Control of Electroluminescence Spectra of InGaN/GaN Dual-Wavelength Light-Emitting Diodes by Designed Metal Electrode
P3-20	SHOJI	Nozato	Sekisui Chemical Co., Ltd.	The properties of edge exfoliated graphite and polymer composite material.
P3-21	MIYAJIMA	KUMIKO	Tokyo Institute of Technology	Fabrication of Porous FePt Micro-capsules for Fiber-optic Fluoroimmunoassay of Environmental Allergens
P3-22	Ito	Mitsuaki	Shinshu University	Effect of Solar Insolation on a Self-Biased In ₂ O ₃ /H ₂ O/Al Photoelectrochemical Cell
P3-23	PHANICHPHANT	SUKON	Chiang Mai University	Au-loadedTiO ₂ and Ag-loadedTiO ₂ Nanoparticles Synthesized by Modified Sol-gel/Impregnation Methodsas Photocatalysts
P3-24	Horii	Naohiro	National Institute of Technology Fukui College	Phase Transition of Silica Crystal and Impurity Distribution in the Devitrification of Silica Glass
P3-25	ICHIYANAGI	Yuko	Yokohama National University	Surface analysis of Cu films for hybrid bonding by surface activated bonding at room temperature
P3-26	YASUKAWA	Yukiko	Chiba Institute of Technology	Ultrahigh-Density Au Nanoparticles: Beyond 10 ¹² /inch ² with Equidistant Particle Intervals
P3-27	Ohdaira	Yasuo	Niigata University	Generation of Liquid Crystal Nanodroplets Utilizing Electrospray Deposition
P3-28	Yuji	Kuwamura	Kanazawa University	Optical emission from surface plasmons on silver grating excited by traveling electron beam
P3-29	Oda	Shoya	Tokyo Institute of Technology	Relationship between Ion Concentration of Ferrofluid and Harmonic Signals of Magnetic Nanoparticles against AC magnetic fields
P3-30	HAMLATI	Zineb	University of Blida1	Rietveld Analysis and Mossbauer Spectroscopy Study of Nanostructured Fe-Al-Sn Produced by High Energy Ball Milling
P3-31	Sakumoto	Naotake	Kanazawa Institute of Technology	Effects of Substrate Temperature during Ion Implantation on
P3-32	Kyoden	Tomoaki	National Institute of Technology, Toyama	In-situ LDV monitoring system using two-dimensional optical fiber array for observing blood flow velocity distribution
P3-33	Kawai	Akira	Nagaoka University of Technology	Peeling Analysis of Nanoscale Condensed Matters by using Cantilever Tip of Atomic Force Microscope (AFM)
P3-34	CAHNG	SHENG-PO	National Cheng Kung University	Beta-Gallium Oxide Nanowire EGFET pH Sensors Prepared Using Furnace-Oxidized Gallium Nitride Thin Films
P3-35	JAHAN	MARYAM	NIMS	A Bifunctional Nonprecious Metal Catalyst for OER and ORR
P3-36	BUI	The Huy	Changwon National University	Upconversion fluorescent properties of Y ₂ SiO ₅ :Yb ³⁺ ,Er ³⁺
P3-37	MATSUMOTO	Kimihisa	Toyama Prefectural University	Luminescence Stability of Porous Si Terminated by Hydrophilic Organic Molecules
P3-38	Chen	Kuan-Jen	National Cheng Kung University	A study of green Sn-xZn photovoltaic ribbons for solar cell application
P3-39	WANG	Chin-Li	National Chi Nan University	Highly efficient porphyrin-sensitized solar cells with enhanced light harvesting ability beyond 800 nm and efficiency exceeding 10 %
P3-40	OKU	Takeo	The University of Shiga Prefecture	Microstructures and Photoelectric Properties of Spherical Silicon Solar Cells with SnO _x :F anti-reflection films
P3-41	RYOUSUKE	Ishikawa	Niigata University	Ternary Compound Semiconductors Thin-Films on Graphene Electrodes for Solar Cells Applications
P3-42	Chen	Hung-Pin	Instrument Technology Research Center, National Applied Research Laboratories	Produce highly efficient solar concentrator by the silicone on glass technology with hybrid thin film
P3-43	Choudhury	Md. Shamimul Haque	Nagoya Institute of Technology	Low Temperature Fabrication of Flexible Zinc Oxide Dye-sensitized Solar Cell
P3-44	Molière	T.	Institut d'Electronique Fondamentale (IEF)	Toward GaAs/Si tandem solar cell on Si substrate
P3-45	TSUBOI	Nozomu	Niigata University	Preparation of p-type NiO films by reactive sputtering and their application to CdTe solar cells
P3-46	Sagawa	Takashi	Kyoto University	Ag-In-Zn-S Quantum Dotsfor Hybrid Organic-Inorganic Solar Cells
P3-47	Ogata	Hironori	Hosei University	Study on the molecular motions and defect structures in methyl ammonium lead halide perovskite films studied by solid-state NMR
P3-48	PARK	Sang Joon	Gachon University	Detection of Neurotransmitters by ZnSe-Ferritin Nanodot Arrays
P3-49	Kira	Atsushi	Japan Aviation Electronics Industry, Ltd.	DNA Hybridization Activity of Single-stranded DNA Modified Gold Nanoparticles for DNA Detection Probe
P3-50	SRIKHIRIN	Toemsak	Mahidol University	Comparison between whole blood and EDTA blood for ABO-Rh human blood typing via solid phase assay imaging techniques
P3-51	SRIWICHAI	SAENGRAWEE	Chiang Mai University	Dual EC-SPR biosensor based on Carboxylated Polyaniline and Polyelectrolyte Thin Film for Detection of Glucose and Human Immunoglobulin G
P3-52	Kaiki	Tsugimura	Tokyo University of Marine Science and Technology	Protein G based human immunoglobulin G biosensor by electrochemical impedance spectroscopy
P3-53	RATTANAKIT	Parawee	Walailak University	Enzyme immobilization of poly(BuMA-co-EDMA) monolith for copper(II) determination
P3-54	Tomioka	Akihiro	Osaka Electro-Communication University	Photoluminescence of π-Conjugated Polymer Nanoparticles Fabricated from Microdroplets by a Novel Visible Laser Processing
P3-55	KAYUNKID	Navaphun	College of Nanotechnology King Mongkut's Institute of Technology Ladkrabang	Growth and Characterizations of Sn-doped ZnPc Thinfilm Prepared by Thermal Co-evaporation as a Novel nanomaterial
P3-56	Era	Masanao	Saga University	Structure evaluation of PbBr ₂ -based layered perovskite having carbazole chromophore-linked ammonium molecule as an organic layer by in-plane X-ray diffraction

P3-57	ANKIREDDY	Seshadri	Gachon University	Synthesis and characterization of quantum dots loaded PLGA nanocomposite fibers by electrospinning processes
P3-58	Miyazaki	Masumi	Waseda Univ	Polaron effect on optical amplification characteristics of BP3T single crystals
P3-59	PYUNGHO	CHOI	Sungkyunkwan University	Temperature-Dependent Electrical Characteristics and Carrier Lifetime of Organic Light Emitting Diodes
P3-60	YANG	Dandan	Shanghai Second Polytechnic University	Influence of graphene nanoplatelet on the structure, crystallization behaviour and dielectric property of poly(vinylidene fluoride)/poly (methyl methacrylate) nanocomposites
P3-61	Hashim	Abdul Manaf	Universiti Teknologi Malaysia	Charge transport characteristics of zinc oxide nanostructures on graphene measured by electrochemical impedance spectroscopy and its electrical modelling
P3-62	MAKAROVA	Marina	Institute of Physics	Cleaning of Graphene and h-BN Surfaces after Lithography Process
P3-63	Chia-Hung	Wu	School of Defense Science, Chung Cheng Institute of Technology, National Defense University	Holey graphene materials used in the anode of lithium-ion batteries
P3-64	AN	Libao	Hebei United University	Electron Beam Irradiation on the Electrode Gap for Positioning Assembly of Carbon Nanotubes by Dielectrophoresis
P3-65	Huang	Wen-Ko	School of Defense Science, Chung Cheng Institute of Technology, National Defense University	Chemical vapor infiltration densification for carbon-carbon composites
P3-66	Tachikawa	Hiroto	Hokkaido University	Interaction of Organic Radical with Carbon Materials: Density Functional Theory (DFT) Study
P3-67	Tian	Fang	China	Lithium-ion supercapacitor based on MnO ₂ and C-LiFePO ₄ /TiN nanotube array electrodes
P3-68	AL Otaibi	Raja	KACST	Direct Desulphurization of Crude Oil by Catalytic Oxidation/Reduction
P3-69	Leasen	Suthisa	Rajamangala University of Technology Suvarnabhumi	Indium Oxide doped Tin based Zinc Oxide Nano-rod for Electrochemical Phenol Detection
P3-70	Nepijko	S.A.	University of Mainz	TEM Investigation of Oxidation of (110) NiAl Single Crystal with Non-Stoichiometry Composition (Surplus of Ni)
P3-71	ULLAH	Sana	Università degli Studi di Roma "Tor Vergata"	Highly Transparent and Conducting Indium Zinc Oxide Thin Films Through Solution Combustion Synthesis: Influence of Rapid Thermal Annealing
P3-72	Okada	Go	Nara Institute of Science and Technology	Scintillation properties of Sm-doped fluorochlorozirconate (FCZ) glasses and glass-ceramics
P3-73	ZHAO	Ming	Tsinghua University	Phase control of tin oxides via composition variation
P3-74	BOYADJIEV	Stefan	Budapest University of Technology and Economics	TiO ₂ /ZnO and ZnO/TiO ₂ nanofibers prepared by electrospinning and atomic layer deposition (ALD) for gas sensing
P3-75	Sato	Masaru	kitami institute of technology	Barrier Properties of HfN _x Thin Films Formed by Radical-Assisted Surface Reaction
P3-76	Younghoon	Kwon	Gachon University	The preparation of InP QDs for the application of display device
P3-77	Chung	Kun-Ju	School of Defense Science, Chung Cheng Institute of Technology, National Defense University	Using Pd and Ni -P Nanoparticle to Grow the Helical Fibers as Field-Emission-Lamp Cathodes
P3-78	Edagawa	yusuke	Waseda University	Electric-double-layer transistors of organic Mott insulators
P3-79	Kamimura	Kiichi	Shinshu University	Effect of Post Deposition Annealing on MIS Properties of Deposited SiO ₂ /SiC MIS Structure
P3-80	Singh	Manoj	University of Allahabad	Two phonon anomalies near the magnetic phase transitions in BiFeO ₃ thin films
P3-81	Iwata	Nobuyuki	Nihon Univ.	Corundum Cr ₂ O ₃ Thin Films Grown on Orthorhombic YAlO ₃ (001) Substrate
P3-82	Nakano	Yoshitaka	Chubu University	Ar ⁺ -Irradiation Induced Damage in Hydride Vapor-Phase Epitaxy GaN
P3-83	Ota	Satoshi	Yokohama National University	Evaluation of magnetization rotation under ac field with biasing dc field